



Academy for Certification

Lean Six Sigma Yellow Belt

1. **Lean Six Sigma Overview**
2. **Define Phase Tools and Methods**
 - 2.1. The DMAIC Team
 - 2.2. Project Types and Selection
 - 2.3. SIPOC Diagrams
 - 2.4. Project Authorization
 - 2.5. Communications
 - 2.6. Project Management Tools
3. **Measure Phase Tools and Methods**
 - 3.1. Data Collection
 - 3.2. Process Maps
 - 3.3. Basic Statistics
 - 3.4. Gage R&R
 - 3.5. Basic Measurement Systems Evaluation
 - 3.6. Failure Modes and Effect Analysis
4. **Analyze Phase Tools and Methods**
 - 4.1. Cause and Effect Analysis
 - 4.2. Introduction to Hypothesis Testing
 - 4.3. Theory of Constraints
 - 4.4. Lean value Analysis
5. **Improve Phase Tools and Methods**
 - 5.1. Eliminating Waste
 - 5.2. Work Balancing
 - 5.3. Visual Management
 - 5.4. Total Productive Maintenance
 - 5.5. Kaizen
 - 5.6. 5S
 - 5.7. Gemba
 - 5.8. Plan-Do-Check-Act
 - 5.9. Cost Benefit Analysis
6. **Control Phase Tools and Methods**
 - 6.1. Standardization & Documentation
 - 6.2. Introduction to SPC/Control Charts
 - 6.3. Mistake (Error) Proofing
 - 6.4. Control Plans